



Attorney Docket No. 051252-5200  
Application S.N. 09/410,584

AF 283

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#16B  
7/18/12

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Mehmet Zeki ALYANAK

Application No.: 09/410,584

Filed: October 1, 1999

For: APPARATUS AND METHOD FOR CHANGING  
THE DYNAMIC RESPONSE OF AN  
ELECTROMAGNETICALLY OPERATED  
ACTUATOR

Group Art Unit: 2832

Examiner: R. Barrera

Commissioner for Patents  
Washington, D.C. 20231

**BOX AF**

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JUL 15 2002  
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**AMENDMENT AND REQUEST FOR  
RECONSIDERATION UNDER 37 C.F.R. § 1.116**

Sir:

In response to the Final Office Action mailed on **April 11, 2002**, the period for replying extending through July 11, 2002, please amend the above-identified application as follows:

**IN THE CLAIMS:**

Please amend claims 1, 21, 22, 28 and 32 as follows:

1. (Twice Amended) An apparatus, comprising:

an armature having at least one groove formed on an exterior surface thereof;

a sleeve extending along an axis, the armature being disposed for movement in a first direction and a second direction opposite the first direction along the axis in the sleeve;

an electromagnetic coil operative to cause movement of the armature along the longitudinal axis as a response to energization of the electromagnetic coil;

a single continuous spring member disposed in the at least one groove in the armature and in direct sliding contact with the sleeve, wherein the spring member exerts a radially outwardly

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B/ Taylor P.O.